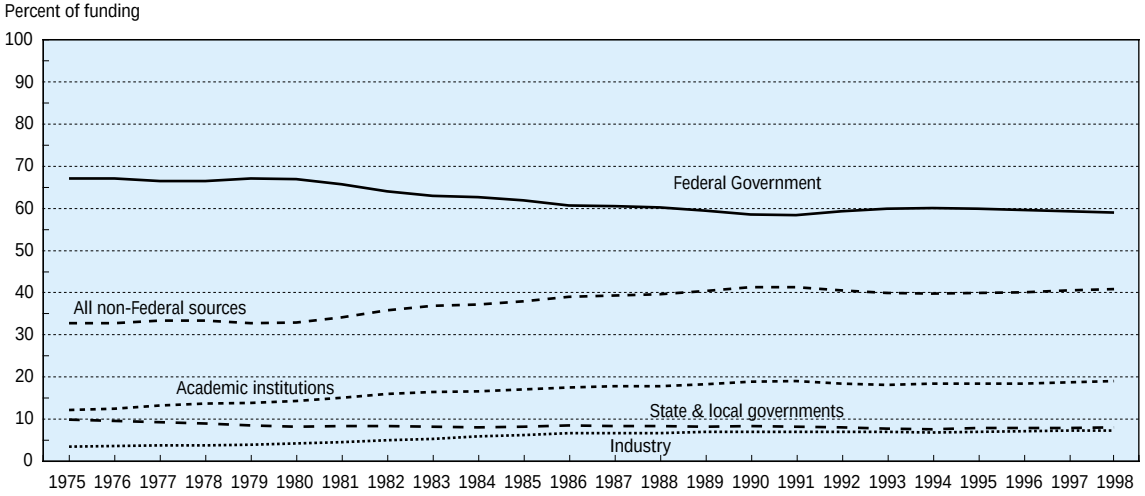
Academic R&D

Figure 7. **Sources of academic R&D funding, by sector**

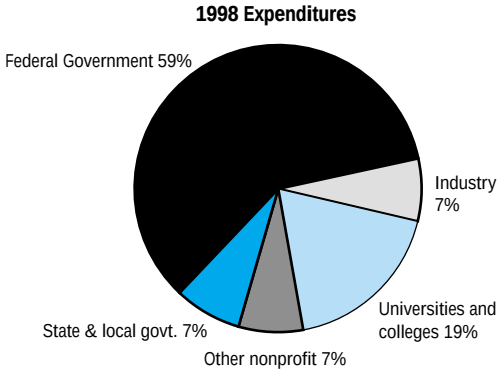


SOURCES: National Science Foundation, Division of Science Resources Studies, *Academic Research and Development Expenditures: Fiscal Year 1997*, NSF 99-336 (Arlington, VA, 1999); and annual series.

Figure 8. Academic R&D expenditures, by source of funds

(Millions of current dollars)

Year	Total	Federal Govt.	State & local govt.	Industry	U&C	Other nonprofit institutions
1985	9,687	6,064	752	560	1,617	694
1986	10,928	6,712	915	700	1,869	732
1987	12,153	7,343	1,023	790	2,168	828
1988	13,463	8,193	1,106	872	2,356	935
1989	14,977	8,991	1,224	994	2,698	1,071
1990	16,286	9,638	1,324	1,127	3,006	1,191
1991	17,585	10,234	1,474	1,204	3,367	1,307
1992	18,818	11,092	1,491	1,279	3,547	1,409
1993	19,951	11,956	1,559	1,360	3,589	1,486
1994	20,966	12,618	1,544	1,415	3,818	1,571
1995	22,098	13,297	1,676	1,481	4,035	1,609
1996	22,962	13,802	1,795	1,596	4,155	1,614
1997	24,188	14,420	1,883	1,700	4,495	1,690
1998	25,735	15,077	1,928	1,870	4,999	1,861



U&C = Universities and colleges

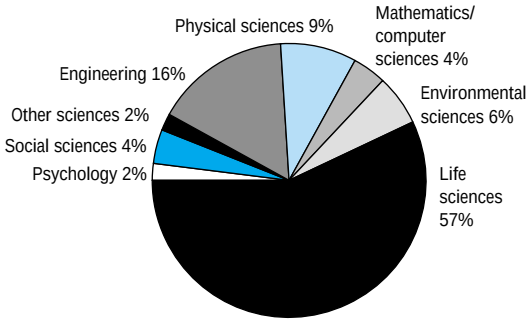
NOTE: Details may not add to totals because of rounding.

SOURCES: National Science Foundation, Division of Science Resources Studies, *Academic Research and Development Expenditures: Fiscal Year 1997,* NSF 99-336 (Arlington, VA: 1999); and *Academic Research and Development Expenditures: Fiscal Year 1998 [Early Release Tables].*

Figure 9. Academic R&D expenditures, by field

(Millions of current dollars)

Field	1990	1992	1994	1996	1997	1998
Total	16,286	18,818	20,966	22,962	24,188	25,735
Physical sciences	1,807	2,055	2,160	2,235	2,347	2,440
Mathematics	222	248	280	286	287	308
Computer sciences	515	555	645	688	708	754
Environmental sci.	1,069	1,242	1,391	1,482	1,523	1,615
Life sciences	8,725	10,196	11,447	12,688	13,498	14,547
Psychology	253	329	356	376	389	437
Social sciences	703	815	950	1,090	1,101	1,121
Other sciences	336	315	388	417	504	460
Engineering	2,656	3,062	3,349	3,699	3,831	4,054

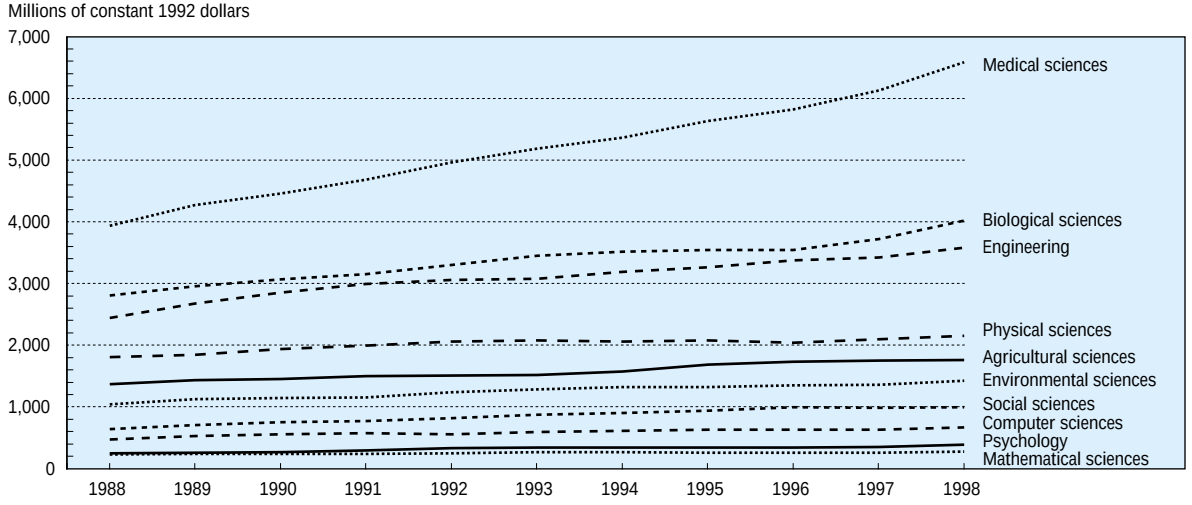


1998

NOTES: Details may not add to totals because of rounding. Life sciences includes medical, biological and agricultural sciences.

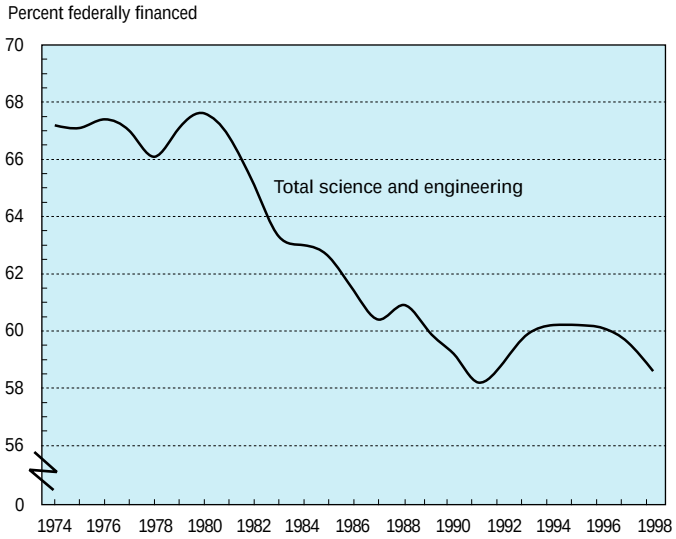
SOURCES: National Science Foundation, Division of Science Resources Studies, *Academic Research and Development Expenditures: Fiscal Year 1997*, NSF 99-336 (Arlington, VA: 1999); and *Academic Research and Development Expenditures: Fiscal Year 1998 [Early Release Tables]*

Figure 10. **Academic R&D expenditures, by selected field**



SOURCES: National Science Foundation, Division of Science Resources Studies, *Academic Research and Development Expenditures: Fiscal Year 1997*, NSF 99-336 (Arlington, VA: 1999); and *Academic Research and Development Expenditures: Fiscal Year 1998 [Early Release Tables]*.

Figure 11. Percent of academic R&D which is federally financed, by field



(Percent federally financed)

Field	1980	1990	1995	1998
Total science & engineering	67.6	59.2	60.2	58.6
Total sciences	67.4	59.5	60.2	58.7
Physical sciences	81.9	72.8	72.7	71.1
Mathematical sciences	78.4	72.6	73.5	69.0
Computer sciences	70.4	66.5	70.9	68.6
Environmental sciences	73.1	63.7	67.1	66.1
Life sciences	64.9	58.3	58.4	57.1
Psychology	73.3	64.8	67.6	68.0
Social sciences	53.8	32.2	38.1	37.3
Other sciences	53.6	41.1	44.9	38.8
Engineering	68.6	57.4	59.9	58.0

SOURCES: National Science Foundation, Division of Science Resources Studies, *Academic Research and Development Expenditures: Fiscal Year 1997*, NSF 99-336 (Arlington, VA: 1999); and *Academic Research and Development Expenditures: Fiscal Year 1998 [Early Release Tables]*.